

**KONGUNADU ARTS AND SCIENCE COLLEGE(AUTONOMOUS)**

*Re-accredited by NAAC with 'A+' Grade (4th Cycle)*

*College of Excellence (UGC)Coimbatore – 641 029*

**DEPARTMENT OF COMPUTER APPLICATIONS (UG)**

**PROGRAMME SPECIFIC OUTCOME (PSO)**

**BCA**

For the students admitted in the Academic

Year 2020 - 2021

## **PROGRAMME SPECIFIC OUTCOME (PSO)**

- PSO1** An ability to apply knowledge of computing and mathematics appropriate to the discipline.
- PSO2** An ability to apply current techniques, skills, and tools necessary for computing practice and to integrate IT-based solutions into the user environment effectively.
- PSO3** An ability to apply design and development principles in the construction of software systems of varying complexity.
- PSO4** An ability to use knowledge in various domains to identify real world problems and hence to provide solution to new ideas and innovations.
- PSO5** An ability to design, document and develop robust applications by considering human, financial and environmental factors using cutting edge technologies to address individual and organizational needs.

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	M	S	S
<b>CO2</b>	S	S	H	H	S
<b>CO3</b>	H	H	S	M	H
<b>CO4</b>	S	H	M	S	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	S	H	M
<b>CO2</b>	S	S	M	H	H
<b>CO3</b>	S	H	H	S	M
<b>CO4</b>	H	S	M	H	M

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**MAPPING**

<b>PSO</b> <b>CO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	H	S	S
<b>CO2</b>	S	H	S	H	M
<b>CO3</b>	S	H	M	H	S
<b>CO4</b>	S	M	S	M	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	H	S	M	H
<b>CO2</b>	S	H	S	S	S
<b>CO3</b>	S	S	H	M	M
<b>CO4</b>	S	M	H	H	M

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	H	S	H	S
<b>CO2</b>	S	H	S	M	M
<b>CO3</b>	H	S	H	S	S
<b>CO4</b>	H	M	H	H	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	H	S	S	H
<b>CO2</b>	S	S	H	M	S
<b>CO3</b>	H	H	H	M	M
<b>CO4</b>	H	M	S	H	S

**S** – Strong

**H** – High

**M** – Medium

**L** – Low



## MAPPING

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PS 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	H	S	S
<b>CO2</b>	S	H	S	H	M
<b>CO3</b>	S	H	M	H	S
<b>CO4</b>	S	M	S	M	H
<b>CO5</b>	S	S	S	S	S

S – Strong

H – High

M – Medium

L – Low

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	H	S	S
<b>CO2</b>	S	H	S	H	M
<b>CO3</b>	S	H	M	H	S
<b>CO4</b>	S	M	S	M	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

## MAPPING

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	H	S	S
<b>CO2</b>	S	H	S	H	M
<b>CO3</b>	S	H	M	H	S
<b>CO4</b>	S	M	S	M	H

S – Strong

H – High

M – Medium

L – Low

**MAPPING**

<b>PSO</b> <b>CO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	H	S	M	H
<b>CO2</b>	S	M	H	S	M
<b>CO3</b>	S	H	M	H	S
<b>CO4</b>	S	S	H	M	H

**S** – Strong    **H** – High    **M** – Medium    **L** – Low

**Sub.Code:**  
**20UCA408**

**MAPPING**

<b>PSO</b> <b>CO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	H	S	S
<b>CO2</b>	S	H	S	H	M
<b>CO3</b>	S	H	M	H	S
<b>CO4</b>	S	M	S	M	H
<b>CO5</b>	S	S	S	S	S

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

## MAPPING

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	S	H	H
<b>CO2</b>	S	S	H	S	S
<b>CO3</b>	S	M	H	H	H
<b>CO4</b>	S	S	S	S	M

**Sub.Code: 20UCA4CO**

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	S	H	H
<b>CO2</b>	S	S	H	S	S
<b>CO3</b>	S	M	H	H	H
<b>CO4</b>	S	S	M	S	M

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**Sub.Code: 20UCA4A4**

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	S	H	H
<b>CO2</b>	S	S	H	S	S
<b>CO3</b>	S	M	H	H	H
<b>CO4</b>	S	S	S	S	M

**S** – Strong

**H** – High

**M** – Medium

**L** – Low



**Sub.Code:20UCA510**

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	H	S	S
<b>CO2</b>	S	H	S	H	M
<b>CO3</b>	S	H	M	H	S
<b>CO4</b>	S	M	S	M	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**MAPPING**

<b>CO \ PSO</b>	<b>PSO 1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	S	H	H
<b>CO2</b>	H	S	H	S	S
<b>CO3</b>	S	M	H	H	H
<b>CO4</b>	S	S	M	S	M

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**MAPPING**

<b>PSO CO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	H	S	S	S
<b>CO2</b>	S	H	S	H	M
<b>CO3</b>	S	H	M	S	H
<b>CO4</b>	S	M	S	M	H

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	H	S	S
<b>CO2</b>	S	H	S	H	M
<b>CO3</b>	S	H	M	H	S
<b>CO4</b>	S	M	S	M	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	M	H	S	S
<b>CO2</b>	M	H	M	S	M
<b>CO3</b>	S	H	M	H	M
<b>CO4</b>	S	M	H	M	S

**S** – Strong**H** – High**M** – Medium**L** – Low

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	H	S	H	S
<b>CO2</b>	S	H	S	M	M
<b>CO3</b>	H	S	H	S	S
<b>CO4</b>	H	M	H	H	H

**S** – Strong**H** – High**M** – Medium**L** – Low

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	H	S	H	S
<b>CO2</b>	S	M	M	H	H
<b>CO3</b>	S	H	S	H	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**Mapping**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	H	M	S	H
<b>CO2</b>	H	S	S	H	S
<b>CO3</b>	M	H	M	S	H
<b>CO4</b>	S	H	H	M	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low



**Mapping**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	M	H	M	S	H
<b>CO2</b>	H	S	M	H	S
<b>CO3</b>	M	H	M	M	H
<b>CO4</b>	S	H	H	M	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**Sub.Code: 20UCA6M**

**Mapping**

<b>PSO CO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	M	H	M	S	H
<b>CO2</b>	H	S	M	H	S
<b>CO3</b>	M	H	M	M	H
<b>CO4</b>	S	H	H	M	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

Sub.Code: 20UCA5X1

**Mapping**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO4</b>	<b>PSO5</b>
<b>CO1</b>	S	H	M	S	H
<b>CO2</b>	H	S	S	H	S
<b>CO3</b>	M	H	M	S	H
<b>CO4</b>	S	H	H	M	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

## Elective Paper – Internet Of Things

### MAPPING

<b>PSO</b> <b>CO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	M	H	S	S
<b>CO2</b>	M	H	M	S	M
<b>CO3</b>	S	H	M	H	M
<b>CO4</b>	S	M	H	M	S

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**Elective paper: - Open Source Systems**

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>C01</b>	S	H	M	S	H
<b>C02</b>	S	H	H	H	M
<b>C03</b>	S	H	M	M	M
<b>C04</b>	S	S	H	M	S

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	S	S	H	H
<b>CO2</b>	H	S	H	S	S
<b>CO3</b>	S	M	H	H	H
<b>CO4</b>	S	S	M	S	M

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

## Client /Server Techniques

### MAPPING

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	M	H	S	S
<b>CO2</b>	M	H	M	S	M
<b>CO3</b>	S	H	M	H	M
<b>CO4</b>	S	M	H	M	S

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

## Virtual Reality

### MAPPING

<b>PSO</b> <b>CO</b>	<b>PSO1</b>	<b>PSO2</b>	<b>PSO3</b>	<b>PSO 4</b>	<b>PSO5</b>
<b>CO1</b>	S	S	H	S	S
<b>CO2</b>	S	H	S	H	M
<b>CO3</b>	S	H	M	H	S
<b>CO4</b>	S	M	S	M	H

**S** – Strong

**H** – High

**M** – Medium

**L** – Low



## Cloud Computing and Azure

Sub.Code:20UCA6E2

### MAPPING

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	M	H	S	S
<b>CO2</b>	M	H	M	S	M
<b>CO3</b>	S	H	M	H	M
<b>CO4</b>	S	M	H	M	S

**S** – Strong

**H** – High

**M** – Medium

**L** – Low

Sub.Code: 20UWR4N2

**MAPPING**

<b>CO \ PSO</b>	<b>PSO1</b>	<b>PSO 2</b>	<b>PSO 3</b>	<b>PSO 4</b>	<b>PSO 5</b>
<b>CO1</b>	S	H	S	S	S
<b>CO2</b>	H	H	M	H	H
<b>CO3</b>	H	S	S	S	S
<b>CO4</b>	S	M	H	S	M

**S** – Strong

**H** – High

**M** – Medium

**L** – Low